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**Phytochemical Investigation of *Caesalpinia crista Linn.* Plant and their Medicinal Applications -A Review**

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Herbal based drugs have a wide range of applications in prevention and treatment of various disease and health problems during ancient times. *Caesalpinia crista Linn.* is one of the most important herb plants in India, Sri Lanka, Myanmar, West Indies and Indonesia. It contains several phytochemical constituents such as alkaloids, tannins, coumarin glycosides, essential oils, flavonoids, etc. therefore it shows wide range pharmacological activities. The plant has been recommended for the treatment of various diseases and disorders such as abdominal pain, antispasmodic, anti-amylodogenic, antibacterial, antipyretic, anthelmintic, anti-ulcer, malarial fever, diabetes, cystic fibrosis, amenorrhoea, leucorrhea, rheumatoid, arthritis, piles and antioxidant. This herb is used internally as well externally to treat the diseases. The present review highlights the literature on phytochemical constituents and medicinal applications of *Caesalpinia crista* plant parts. This review also searches for new medicinal values and produces one of the databases.

**Key words:** Tannins, Antioxidant, *Caesalpinia crista* flavonoids, herb, medicinal value.